Index to Pacific Discovery: Volume XII, 1959

ACADEMICALLY SPEAKING

(department): 1 33, 2 33, 3 33, 4 33, 5 33,

Angkor (ruins, Cambodia), 15-23 Arizona-Sonora Desert Museum, Junior Museum Project, 2 22-23

ARTICLES:

Among Australia's Birds. Photos by ALFRED M. BAILEY, 5 16-17 Angkor. Passages from the book by MALCOLM MACDONALD, 4 15-23 "Betsey's" Voyage of Pacific Discovery. JOSEPH L. PARKHURST, JR., 5 4-5 Desert Ark, The. ANNETTE RICHARDS

PARENT, 2 22-23 Doorstep Botany in San Francisco: an

album of photographs. CHARLES TOWN-SEND. Notes by JOHN THOMAS HOWELL, 1 14-26

Extreme Deserts, The. JOHN L. BLACK-FORD, 6 18-19

"Have a Coconut!" PRESTON BUTLER, 3 2-13

Islands of the Tortoise. JOSEPH R. SLEVIN, 6 4-10

Koalas, Kookaburras, & Kangaroos or: Victorians I Have Known. PATRICIA BAILEY WITHERSPOON, 5 6-14

Oligocene World of Georg Statz, The. P. T. Furst, 6 11-17

Pacific Wanderer: The Tasmanian Mutton Bird. John Warham, 28-15 Rapid Transit on the Rio Grande.

MARSHALL BOND, JR., 4 2-11 San Francisco Bay Region, The. ARTHUR C. SMITH, 2 2-6

Search for the Buenaventura, The JOSEPH L. PARKHURST, JR., 3 14-17 Strange Cirio, The. WILLIAM C. MASSEY,

Third Moriah, The. WELDON F. HEALD, 1 3-7

Tsunami: Destructive Oceanic Waves. FRANCIS P. FILICE, 5 20-23

Victoria West. PATRICIA BAILEY WITHERSPOON, 6 20-27 Ward Mailliard and the Academy Library. ROBERT C. MILLER, 18-13

Whence the Havasupai? JOSEPH WAMPLER, 4 24-27 Where the Deer and the Cattalo Roam.

RICHARD H. DILLON, 2 6-7 ASTRONOMY (department):

How Big-How Bright. GEORGE W. Bunton, 4 28-29

IGY and Earth's Radiation Rings, The. GEORGE W. BUNTON, 3 26-29 Mountains of the Moon, The. GEORGE W.

Bunton, 2 24-27 Sky Gadgets, 6 30 Space, Men, and Meteorites. PHILIP

FERRY, 5 28-30 To Hear the Heavens Whisber.

CHARLES F. HAGAR, 1 27-29 Aurorae, planetarium devices, 6 30

Bailey, Alfred M. (photographs), 5 16-17 Barrett, Gary B., 3 33 BARRETT, GARY B., 2 33 BARRETT, S. A., 5 23-25 Beetle, predaceous diving, 6 29 Big Bend National Park, development, 1 32 Blackford, John L., 6 18-19 BOND, MARSHALL, JR., 4 2-11

BOOK REVIEWS:

Adventure Is Underground: The Story of the Great Caves of the West and the Men Who Explore Them, 6 33 America's National Parks, 3 31

Angkor, 4 23 Aristotle and the American Indians: A Study in Race Prejudice in the Modern World, 4 31

Beachcombers of the African Jungle, 1 30 California Natural History Guides, 3 30 Canada: Tomorrow's Giant, 3 30 Coral Island: Portrait of an Atoll, 3 29-30 Culture and Art of India, The, 4 31 Dangerous Marine Animals, 5 32

Darwin and the Darwinian Revolution, Darwin's Century: Evolution and the

Men Who Discovered It, 6 2-3 Darwin, Wallace and the Theory of Natural Selection, including the Linnean

Society Papers, 6 3
Descent of Pierre Saint-Martin, The, 6 33 Dictionary of Astronomy and Astronautics, 2 30

Doctors to the World, 1 31 Earth Shook, the Sky Burned, The, 6 32 Endurance: Shackleton's Incredible

Voyage, 5 31 Everyday Meteorology, 3 29 Exotic Zoology, 6 32

Exploring American Caves: Their History, Geology, Lore, and Location: A Spelunker's Guide, 6 33

Exploring Caves, 6 33 From the Ends of the Earth, 6 31 Good Fishing, 3 31

Grand Canyon: Today and all its yesterdays, 2 29

Great American West, The: a Pictorial History from Coronado to the Last Frontier, 6 33

Havasu Canyon: Gem of the Grand Canyon, 4 27-31 High Altitude and Satellite Rockets,

3 29 History of the Ancient Southwest, A,

4 30-31 History of Archery, The, 1 30-31 Introduction to the Natural History of

the San Francisco Bay Region, 3 30 Islands and Ports of California, The: A Guide to Coastal California, 6 33 Lesser Worlds, 2 29-30

Living Earth, 5 32 Living Forest, The, 5 32 Lost World of the Kalahari, The, 1 30 Mammals of the San Francisco Bay

Region, 3 30 Mankind in the Making: The Story of Human Evolution, 6 March of Archaeology, The, 4 30

Marine Ecology, 1 31 Mexican Journal: The Conquerors Conquered, 5 31 Millions of Years Ago, 5 32

National Forests, The, 3 31 Native Trees of the San Francisco Bay

Region, 3 30 Natural Selection and Heredity, 6 3 Nature and the American: Three Centuries of Changing Attitudes, 2 28-29 Nature Is Your Guide, 6 31 Navajos, The, 4 31

Our Nuclear Adventure: Its possibilities and perils, 2 30

Perspectives in Marine Biology: A sym-posium held at Scripps Institute of Oceanography, 1 31

Pictorial History of California, A, 6 33 Praeger Picture Encyclopedia of Art, The, 6 32

Reptiles and Amphibians of the San Francisco Bay Region, 3 30 Rivers, Man and Myths: from Fish

Spears to Water Mills, 1 30 Road to Man, The, 63 Rock-hunter's Field Manual, The, 5 32 San Francisco: A Profile with Pictures,

6 32 Sea Shells of Tropical West America. 6 31

Songs and Tales of the Sea Kings: Interpretations of the Oral Literature of Polynesia, 5 1

They Explored: Humboldt, Livingstone, Frémont, Hedin, Scott, Herzog, 3 31 This World of Living Things, 6 31 Voyage of the Beagle, The, 6 3 White Desert, The, 5 1 Whooping Crane, 5 32

Wildlife of Mexico: The Game Birds and Mammals, 6 1 Wild Paradise: The Story of the Coto Doñana Expeditions, 5 31

World of Insects, The, 6 32 "Buenaventura," hypothetical river, 3 14-15

Bunton, George W., 2 24-27, 30, 3 26-28, 29, 4 28-29, 5 30, 6 30 BUTLER, PRESTON, 3 2-13

California Academy of Sciences Library, 18-13 CAMPBELL, IAN, 6 34

Capitalization, common names, 6 28 Cattalo, bison hybrid, 2 6-7 Coconuts, 3 2-13

CONSERVATION (department): Science at the Seashore. JOEL W. HEDG-PETH, 2 16-21 CRITTENDEN. MAREL B., 5 32

Darwin, Charles, and Galápagos Is., 6 2-3 DILLON, RICHARD H., 2 6-7

Easter Island, civilization, 1 1 Eastwood, Alice, Hall of Botany, 1 13, 6 37 EDITORIALS:

Education of Free Men, The. 5 2-3 Galápagos, World's Beginning, 6 2-3 Move Over, Piltdown—Here Comes Kensington! 3 1

Mr. Heyerdahl's Aku-Aku, 1 1-32 New Mythology in an Age of Science, 4 1-32

Science Needs Some Wilderness, 2 1 Education in U.S., 5 2-3 Evolution, Darwinian theory, 6 2-3

Fanning Islands, discovery, 5 4-5 FERRY, PHILIP, 5 28-30 FILICE, FRANCIS P., 5 20-23 FOCUS ON NATURE (department), 5 26-27, 6 28-29 Fossil insects, 6 11-17 Frémont, John Charles, exploring Great

Basin, 3 14-17

FROM THE READER (department): 1 32, 2 32, 3 33, 5 32, 6 34 FURST, P. T., 6 11-17

Galápagos Islands, 6 5-10 GAPINSKI, LAWRENCE B., 1 31 **GOETHE, С. М., 2 32**

HAGAR, CHARLES F., 1 27-29, 2 30 HARRINGTON, CLIFFORD V., 4 33 Havasupai Indians, 4 24-27 HEALD, WELDON F., 1 3-7 Неверетн, Joel W., 1 31, 2 16-21, 3 33 HOPKINS, L. A., 6 34 Howell, John Thomas, 1 14-26 Hummingbird, Allen, nesting, 3 22-25 Idria columnaris (cirio), 4 12-15

ILLUSTRATIONS:

Angkor (ruins, Cambodia), 4 cover, 15-23 Antelope, prong-horned, 3 cover, 18-21 Beetle, predaceous diving, 6 29 Biotic communities of San Francisco Bay Region (pictorial diagram), 2 4-5 Bodega Head, Bay (air views), 2 cover, California Academy of Sciences Library, reading rooms, 1893, 1959, I 8, 9 Cattalo (bison hybrid), 27 Cirio (Idria columnaris), 4 12, 13 Coconuts, 3 2-13 Coot, Australian, 5 16 Darwin, Charles (plaque, Galapagos Is.), Eagle, wedge-tailed (Australia), 5 17 Echidna (spiny anteater), 5 9 Emu (Australia), 6 24 Filaree, 1 26 Fox. kit. 6 19 Frémont, John Charles (portrait), 3 15 Friday Harbor Laboratories oceanographic, Univ. of Washington, view), Galápagos Islands (views), 6 6-9 Gannet, Australian, 5 16, 6 23 Gull, silver (Australian), 5 17 Havasu Canyon (Arizona, view), 4 24 Havasupai Indians, 4 25, 26 Hedgpeth, Joel W. (portrait), 2 20

Kangaroo, gray, 6 25 Koala, 5 cover, 6 Kookaburra, 5 6 Kroeber, Alfred Louis (portrait), 5 25 Lituya Bay (Alaska, views), 5 18-19 Lizard, blue-tongued (Australia), 6 26 desert horned (California), 6 18 monitor (Australia), 6 27 stub-tailed (Australia), 6 27 Lyrebird, 5 10

Hummingbird, Allen, 3 23-25

6 cover, 9

Iguana, giant land (Galápagos Is.),

Jones, Charles Jesse ("Buffalo"), 2 7

Insects, fossil (Statz Collection), 6 12-17

Mailliard, John Ward, Jr. (portrait), 18 Melbourne (Australia, view), 57 Meteorite, Goose Lake, 5 29 Moon, mountains (drawing, photo, map), 2 24-25, 27

Moth, Nevada buck, 5 26 Natural bridge (Australia, wave-cut), 6 20

Navajo Falls (Havasu Canyon, Ariz.), 4 27 Oak, coast live, 1 22 Owl, barn, 5 27 Pardalote (Australian bird), 5 16 Penguin, fairy, 5 14-15

Pine, bristlecone, 14 Planetarium devices (auroral effects), 6 30

Platypus, 5 9 Podargus (Australian bird), 5 17 Radiation rings, earth (diagrams), 3 26-27, 28

Robin, yellow (Australia), 5 16 Salamander, tiger, 6 28

San Francisco (views), 1 cover, 15-24 Shearwater, slender-billed (Tasmanian mutton bird), 2 11-14

Snake, black tiger (Australia), 5 11 horned rattlesnake (sidewinder), 6 19 Soda Dry Lake (Mojave Desert, Calif., view), 6 18-19

Statz, Georg (portrait), 6 11 Telescopes, radio (antennae), 1 28, 29 Tidal wave damage (Hawaii, views), 5 22

Vityaz, Soviet oceanographic vessel, 1 33 Indians, American, and race bias, 4 fac.1

KELLEY, DON GREAME, 1 fac. 1, 1, 30-33. 2 fac.1, 28-30, 3 fac.1, 1, 29-33, 4 fac.1, 15-23, 30-31, 5 fac.1, 1, 31-32, 6 fac.1, 2-3, 31-33

Kensington Stone, a hoax, 3 1 Kroeber, Alfred Louis, 5 23-25

LILLY, DOROTHY F., 3 22-25 Lituya Bay (Alaska), earthquake, 5 18-19

MACDONALD, MALCOLM, 4 15-23 McGloin, Rev. John B., S.J., 2 32 McLeod, Ken, 6 34 Mailliard, John Ward, Jr., Library, 1 11-13, 6 37

Man as PD subject, 5 fac.1 MAPS:

Archipiélago de Colón (Galápagos Is.), 6 4-5

Baja California (outline), showing range of cirio tree. 4 13

Bodega Bay (Calif.), 2 16-17 California (relief), showing Frémont's route in 1844, 3 16-17

Humboldt National Forest (Nevada, approaches), 1 3 Migration route of Tasmanian mutton

bird (Pacific Ocean), 29 Moon: 2 27

North Pacific Ocean (part), Bering Sea to Hawaiian Islands, 5 20 Nueva California, showing hypothetical

Río Buenaventura (1842), 3 14 Río Grande de Santiago (Mexico), 4 2-3 San Francisco Bay Region, 23

MASSEY, WILLIAM C., 4 12-15 Masters, Marguerite, 2 32 May, Marjorie, 3 33

Meteorites and space research, 5 28-30 MILLER, GEORGE W., 1 32

MILLER, ROBERT C., 1 8-13, 2 1, 4 1, 32, 5 2-3 Moon, apparent size, 4 28-29 mountains, 2 24-27 Moriah, Mount (eastern Nevada), 12-7

Moth, Nevada buck, 5 26 Nevman, Michael, 4 33

ORR, ROBERT T., 3 22-25, 29, 6 1 Owl, barn, 5 27

PACIFIC PROFILES (department): A. L. Kroeber. S. A. BARRETT, 5 23 Parapsychology, 4 1, 32, 6 34 PARENT, ANNETTE RICHARDS, 2 22-23 PARKHURST, JOSEPH L., JR., 3 14-15, 5 4-5 PICARD, RAWSON J., M.D. 6 34 Plant life in San Francisco, 1 14-26 Plant specimens from Baja California, 5 33 POWELL, BERNARD W., 5 18-19 Prong-horned antelope, speed, 3 18-21

Radiation rings, earth, 3 26-28 Radio telescopes, 1 27-28 RICHARDSON, HAL, 5 33, 6 37 Río Grande de Santiago (Mexico), exploration, 4 2-11

Salamander, tiger, 6 28-29 San Francisco Bay Region, natural history, 2 2-6

SCHAGEN, VIVIAN, 2 32

Science, value of seashore, 2 18-21

SCIENCE LOOKS INTO IT (department): Allen Hummingbird, The-How Many Nests a Year? DOROTHY F. LILLY & ROBERT T. ORR, 3 22-25 Earthquake in Lituya Bay. BERNARD W.

POWELL, 5 18-19 Prong-horned Antelope, The-How Many

Miles an Hour? HENRY H. SHELDON,

Shearwater, slender-billed (Tasmanian mutton bird), 2 8-15 SHELDON, HENRY H., 3 18-21 SHUTTLESWORTH, DOROTHY EDWARDS, 5 32 SLEVIN, JOSEPH R., 6 4-10 SMITH, ALLYN G., 6 31 SMITH, ARTHUR C., 2 2-6, 5 26-27, 6 28-29 Speed of animals, 3 18-21 Statz, Georg, 6 11-16 STONE, EDGAR, 6 34 STRAUSS, W. PATRICK, 5 1

TOWNSEND, CHARLES (photographs), 1 14-26 Trust Territory of the Pacific Islands, 3 fac.1

Victoria (Australia), wildlife, 5 6-17, 6 20-27 Vityaz, Soviet oceanographic vessel, 1 33

Wampler, Joseph, 4 24-27 WARHAM, JOHN, 2 8-15 Waves, ocean, destructive force, 5 20-23 Wilderness, importance to science, 2 1 Sierra exhibit at California Academy of Sciences, 2 33

Wilderness Conference, Sixth Biennial, 1 fac.1

WITHERSPOON, PATRICIA BAILEY, 5 6-15, 6 20-27

ERRATA:

Red of face, we confess to some beauts, this volume. Not counting the little ones, some of which we've found, and all of which you the reader have probably found, these are the ones we're admitting to the record:

March-April, pp. 18-20, misplaced lines should read: "There are at the present time seven year-round marine stations along the Pacific Coast. . . . Pacific Marine Station, a branch of the College of the Pacific, was founded at Dillon Beach in 1947 but did not open for year-round activity until 1957. Hopkins Marine Station at Pacific Grove is the oldest Marine station on the Pacific Coast." It must have been the repetition that confused both editor and printer.

July-August, "In This Issue"-for Whence the Havasu? read Whence the Havasupai? For 29 read 28.

September-October, p. 3, caption-for 1879 read 1871. For 1958 read 1959. Page 23, caption-for A Honolulu dockside read A Hilo dockside. (Apologies to Hilo C. of C.)

